



Water-Data Report 2007

**01379990 SPLITROCK RESERVOIR NEAR HIBERNIA, NJ**

PASSAIC RIVER BASIN

LOCATION.--Lat 40°57'48", long 74°27'35" referenced to North American Datum of 1983, Rockaway Township, Morris County, NJ, Hydrologic Unit 02030103, at dam on Beaver Brook, 2 mi northeast of Hibernia.

DRAINAGE AREA.--5.50 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--September 1925 to September 1931, December 1948 to current year.

REVISED RECORDS.--WDR NJ-94-1: 1993.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

COOPERATION.--Records provided by United Water Jersey City.

REMARKS.--Reservoir is formed by a concrete gravity dam with earth embankment; present dam constructed 1946-48 and sluice gate first closed Dec. 22, 1948. Prior to 1946, reservoir was formed by earthfill dam with crest about 20 ft lower. Capacity of spillway level, 3,310,000,000 gal, elevation, 835 ft. Flow is regulated by two 30-inch sluice gates. Flow is released from Splitrock Reservoir via Beaver Brook and Rockaway River to Boonton Reservoir, where it is diverted for municipal supply of Jersey City (see 01380800).

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,652,500,000 gal, Apr. 5, 1973, elevation, 836.75 ft; minimum, 1,522,800,000 gal, Jan. 4, 1954, elevation, 824.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,494,000,000 gal, Apr. 17-22 and May 3-7, elevation, 835.95 ft; minimum, 2,979,000,000 gal, July 11-15, elevation, 833.35 ft.

MONTHEND ELEVATION AND CONTENTS

Month	Elevation, feet	Contents, million gallons	Change in contents, equivalent in ft <sup>3</sup> /s
September	835.00	3,385	
October	836.15	3,533	+7.4
November	835.80	3,464	-3.6
December	835.50	3,405	-2.9
CALENDAR YEAR 2006			+1
January	835.00	3,306	-4.9
February	835.00	3,306	0
March	835.10	3,325	+0.9
April	835.85	3,474	+7.7
May	834.95	3,296	-8.9
June	834.55	3,216	-4.1
July	833.75	3,058	-7.9
August	834.20	3,147	+4.4
September	833.50	3,009	-7.1
WATER YEAR 2007			-1.6

e Estimated